



CURRICULUM VITAE

R.SATHYA PRABHAKAR
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PROFESSIONAL OBJECTIVE

Add growth to the company by,

- ◆ Delivering my potential to accomplish the assignments and responsibilities that I entrust.
- ◆ Approach with positive attitude and self-motivation to cope the challenges.
- ◆ Design with valuable creativity and tremendous learning all the time.

EXPERIENCE DETAILS

S. No.	Name of Organization	Designation	Duration From	Duration To	Nature of Duties
1	Tractors and Farm Equipments Ltd. (TAFE), Chennai	Divisional Manager-R&D	19-05-2008	Till Date	Design and Development of Agricultural Tractors
2	ATS ELGI, Coimbatore	Engineer-R&D	14-02-2008	16-05-2008	Design and Development of Automobile service station Equipments
3	Structural Engineering Research Centre (SERC), CSIR campus, Taramani, Chennai	Project Assistant IV	13-12-2007	11-02-2008	Design and Development of Low-cost Wind Turbine
4	Sky Steel Systems LLC (SSS), Dubai, U.A.E.	Design Engineer	07-11-2005	30-09-2007	Design of Building Maintenance Machine structures for High raise buildings
5	Combat Vehicle Research & Development Establishment (CVRDE), Ministry of Defence, Avadi, Chennai	Senior Research Fellow-R&D	16-02-2004	28-10-2005	Design of Combat vehicle Weapon system
6	Sudharsan Engineering College, Pudukkottai	Lecturer	23-06-2003	11-02-2004	Teaching Engineering subjects
7	Academy of maritime Education and training (AMET), Chennai	Lecturer	01-10-2002	25-02-2003	Teaching Engineering subjects

NATURE OF JOB RESPONSIBILITIES IN TAFE

- ◆ Lead and execute New product delivery in Higher Hp segment (90hp & 100hp), 40hp & 50hp in Light Weight Utility segment for Export market, less than 30hp models in Compact segment for domestic market as per Product marketing requirement through NPI process.
- ◆ Managing a team of vehicle integration and co-ordinate with other cross functional teams towards the delivery of Product specifications agreed with PMG.
- ◆ Cost effective Design and development of Overall vehicle design, Design and General arrangement of Engine-Integration with drive lines, Fuel, Exhaust, Cooling, Vehicle Control systems, Vehicle operator Ergonomics, ROPS design as per various standards and country norms.
- ◆ Organizing Technical Design Review's and Verify the Design arrangements of tractor aggregates along with DFMEA, DVP and Design verification documents.
- ◆ Collect the Warranty claim data's of base models to consider in New model improvements.
- ◆ Work along with testing team to complete all testing requirements as per DVP.
- ◆ Work along with Homologation certification team, Vehicle Safety Engineer and NVH team as per regulation requirements.
- ◆ Work along with Service team for SAM checks and take corrective actions against feedback
- ◆ Verify and finalise the Design drawings to release for tooling development.
- ◆ Production BOM release and Addition-Deletion of complete vehicle parts for cost estimation.
- ◆ Work along with NPD teams and Suppliers for DFM feedback to manufacture the parts as per design requirements.
- ◆ Work along with Production Engineering to build the New products as per the processes and facilities established.
- ◆ Handles Product improvement activities through ECM process.
- ◆ Preparation of Design Note, Statement of Requirement (SOR) for Proprietary design parts, New Design Guidelines, Design documents applicable for Environmental Management System.

NATURE OF JOB RESPONSIBILITIES IN ATS-ELGI

- ◆ Design and Development of Automotive service station Equipments.
- ◆ Products handled – Paint booth and CRS (Crash Recovery System)

NATURE OF JOB RESPONSIBILITIES IN SERC

- ◆ Design and Development of 500 KW low cost Horizontal axis wind turbine.

NATURE OF JOB RESPONSIBILITIES IN SSS

- ◆ Design of Facade Access system Equipments using Pro-Engineer software.
- ◆ Structural analysis & Design using STAAD Pro software and design calculations.
- ◆ Finite Element Analysis for system parts using Ansys software.
- ◆ Preparation of Production Drawings and BOQ.
- ◆ Site co-ordination during installation.
- ◆ Preparation of Operational and Maintenance manuals.

KEY ACHIEVEMENTS:

- ◆ Finite Element Analysis of Monorail Bracket:
- ◆ Exclusive New Design of Foldable Cradle.
- ◆ Exclusive Design of New Pantograph Cradle.
- ◆ Customized Design of Monorail system with drive mechanism for Flush type track.

NATURE OF JOB RESPONSIBILITIES IN CVRDE

- ◆ FE Analysis of Turret basket frame (FRP Material).
- ◆ Design of spring guided door for Ammunition stowage bin.
- ◆ Preparation of MBT ARJUN's Equipment Maintenance Policy Document for Turret and Weapon System.
- ◆ Development of Electro-Mechanical Drive Controlled Air Defence Gun.
- ◆ Optimization and Strength Analysis of Commander's seat.

PROFESSIONAL TRAINING & CERTIFICATES

S. No.	Institution	Duration	Nature of Training
1	TUV India Pvt. Ltd, Chennai	29th - 30th Nov. & 1st Dec'2017	ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 (Integrated Management System) Internal Auditor Training Course
2	Bharathidhasan Institute of Management, Tiruchirappalli	17 Sep'2012 to 22 Sep'2012	Management Development Programme on General Management
3	National Institute for Quality and Reliability (NIQR), Chennai.	28th July 2010	Failure Mode Effect Analysis (FMEA)
4	SAE India (SR), Chennai.	19th - 20th June 2009	Geometric Dimensioning and Tolerance
5	MEPCO Engineering college, Sivakasi.	24th - 29th Nov. 2003	Design of Jigs, Fixtures and Press Tools
6	Escorts Research Centre, Faridabad.	From 13-08-2001 To 19-01-2002	Training and Project work during PG degree.
7	Regional Testing Centre (RTC), Govt. of India, Chennai	From 22-11-1999 To 21-05-2000	Mechanical and Metallurgical Testing
8	EGS Computers India Pvt. Ltd, Chennai.	Month of January 1999	Certificate Course in Finite Element Analysis (Linear Static)
9	CADD Centre Training Services, Trichy.	Month of May 1998	Diploma in AutoCAD-14

ACADEMIC DETAILS

M.E. (Computer Aided Analysis and Design)

Year of Passing : March 2002
Institution : Birla Institute of Technology (**BIT**), Ranchi, Jharkhand,
India.

B.E. (Mechanical Engineering)

Year of Passing : April 1999
University : Manonmanium Sundaranar University,
Tirunelveli, Tamilnadu, India.

ACADEMIC PROJECTS

TITLE (in B.E): “Finite Element Modeling and Analysis of axle arm for battle tank suspension system”.

PLACE: Combat Vehicles Research and Development Establishment (CVRDE), Govt. of India, Ministry of defence, Avadi, Chennai.

TITLE (in M.E): “Analysis of counter shaft gear failure on Farmtrac model through Engineering calculations and stress analysis on CAD”

PLACE: Escorts Research Center, Escorts Agri-machinery Group, Madura Road, Faridabad.

COMPUTER SKILLS

Programming Language : C
Mechanical Software skill : Auto CAD, PRO-E, ANSYS, Windchill-NPI process

PERSONAL PROFILE

Father's Name : Mr. I. Raman
Date of Birth : 13.05.1978
Languages Known : English & Tamil
Passport No. : L 1048079

OTHER ACHIEVEMENTS

- ◆ Participated in Leadership Development Programme
- ◆ Received appreciation and Recognitions for significant contributions with present Employer.

Place: Chennai.

Yours truly,
(R.SATHYA PRABHAKAR)